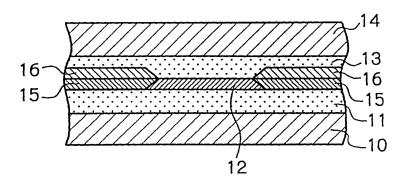
INVENTOR(S): KOJI SHIMAZAWA

APPLICATION SERIAL NO: 033211-011 SHEET 1 of 9

Fig. 1





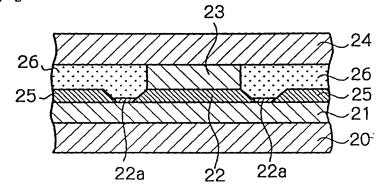


Fig. 3

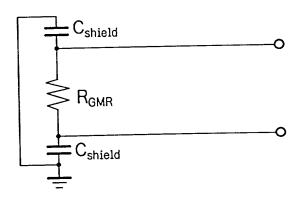
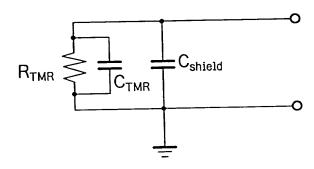


Fig. 4



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TITLE: MAGNETORESISTIVE EFFECT THIN-FILM MAGNETIC HEAD
INVENTOR(S): KOJI SHIMAZAWA
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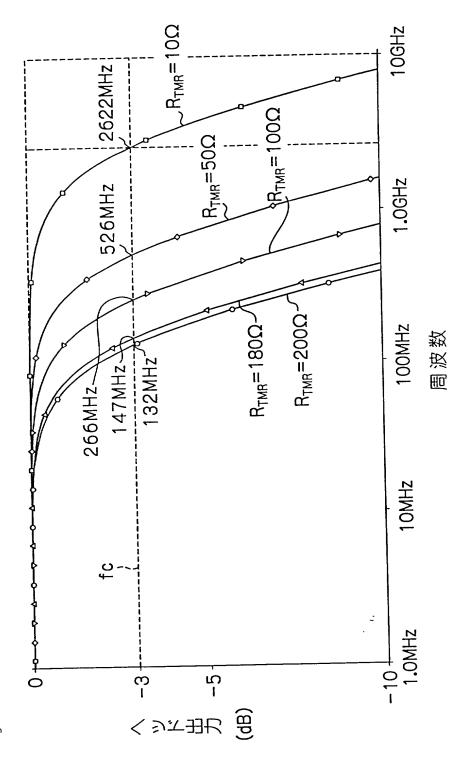


Fig. 5

APPLN. FILING DATE: JULY 9, 2001
TITLE: MAGNETORESISTIVE EFFECT THIN-FILM MAGNETIC

HEAD

Inventor(s): Koji Shimazawa Application Serial No: 033211-011 SHEET 4 of 9

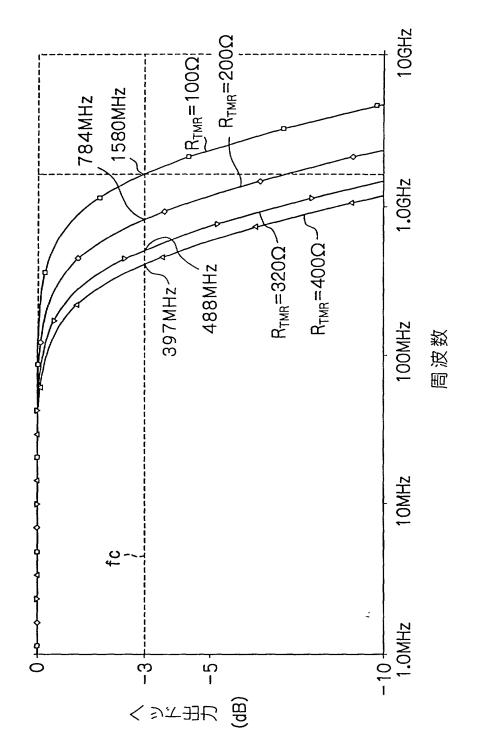


Fig. 6

HEAD

Inventor(s): Koji Shimazawa Application Serial No: 033211-011

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Fig. 7

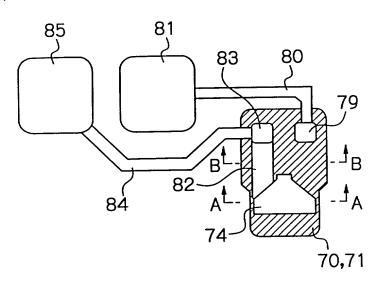


Fig. 8

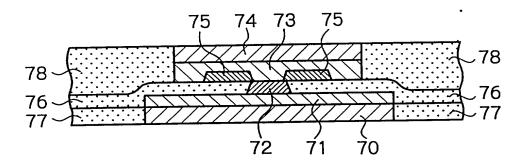
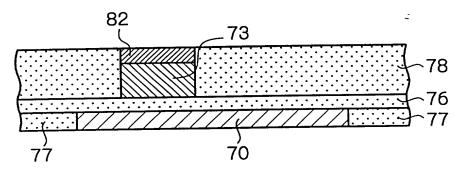
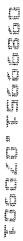


Fig. 9





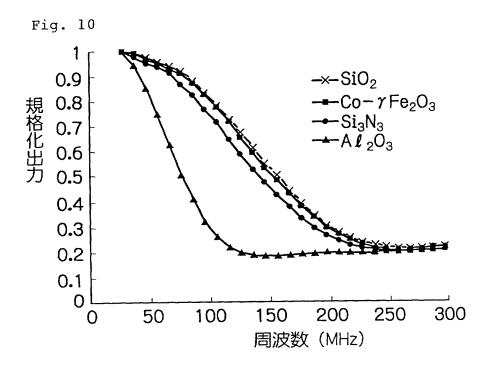
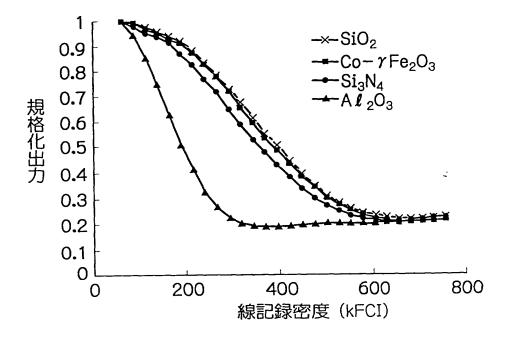


Fig. 11

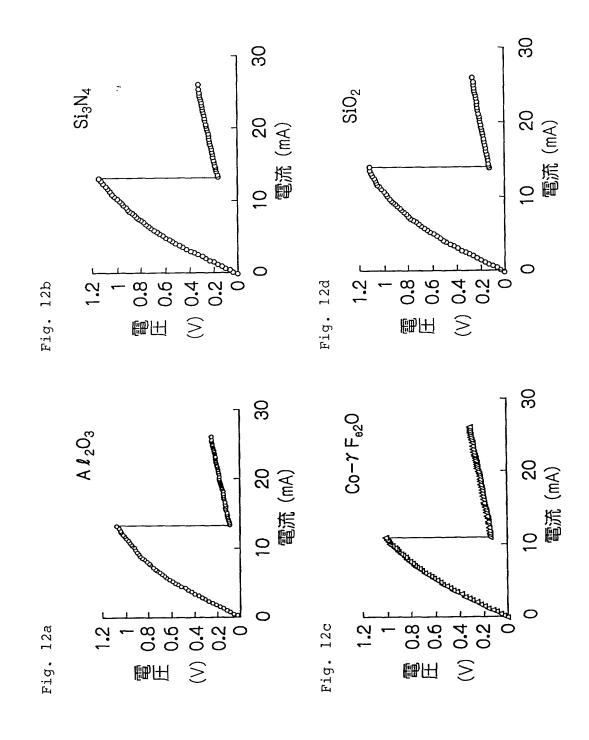


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TITLE: MAGNETORESISTIVE EFFECT THIN-FILM MAGNETIC HEAD

INVENTOR(S): KOJI SHIMAZAWA

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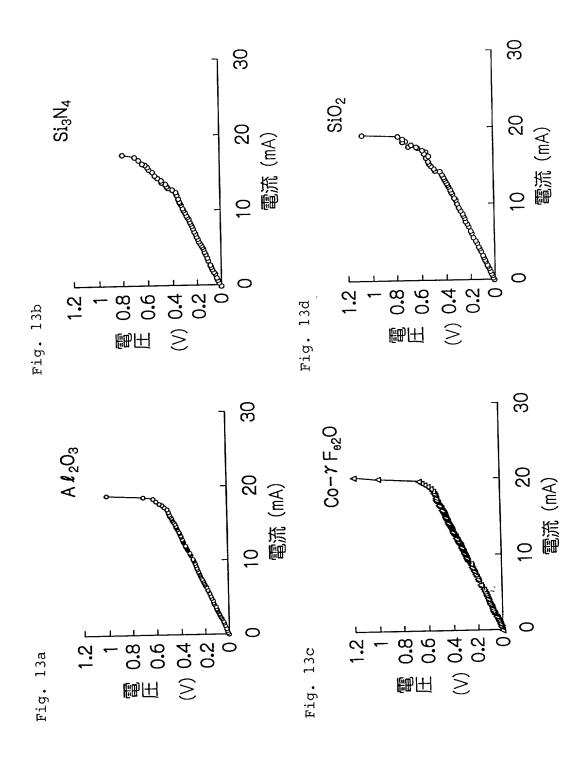


Fig. 14

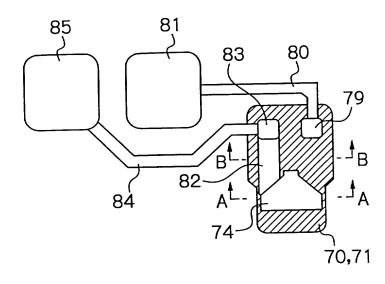


Fig. 15

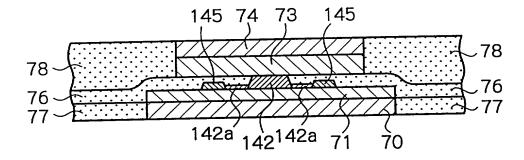


Fig. 16

